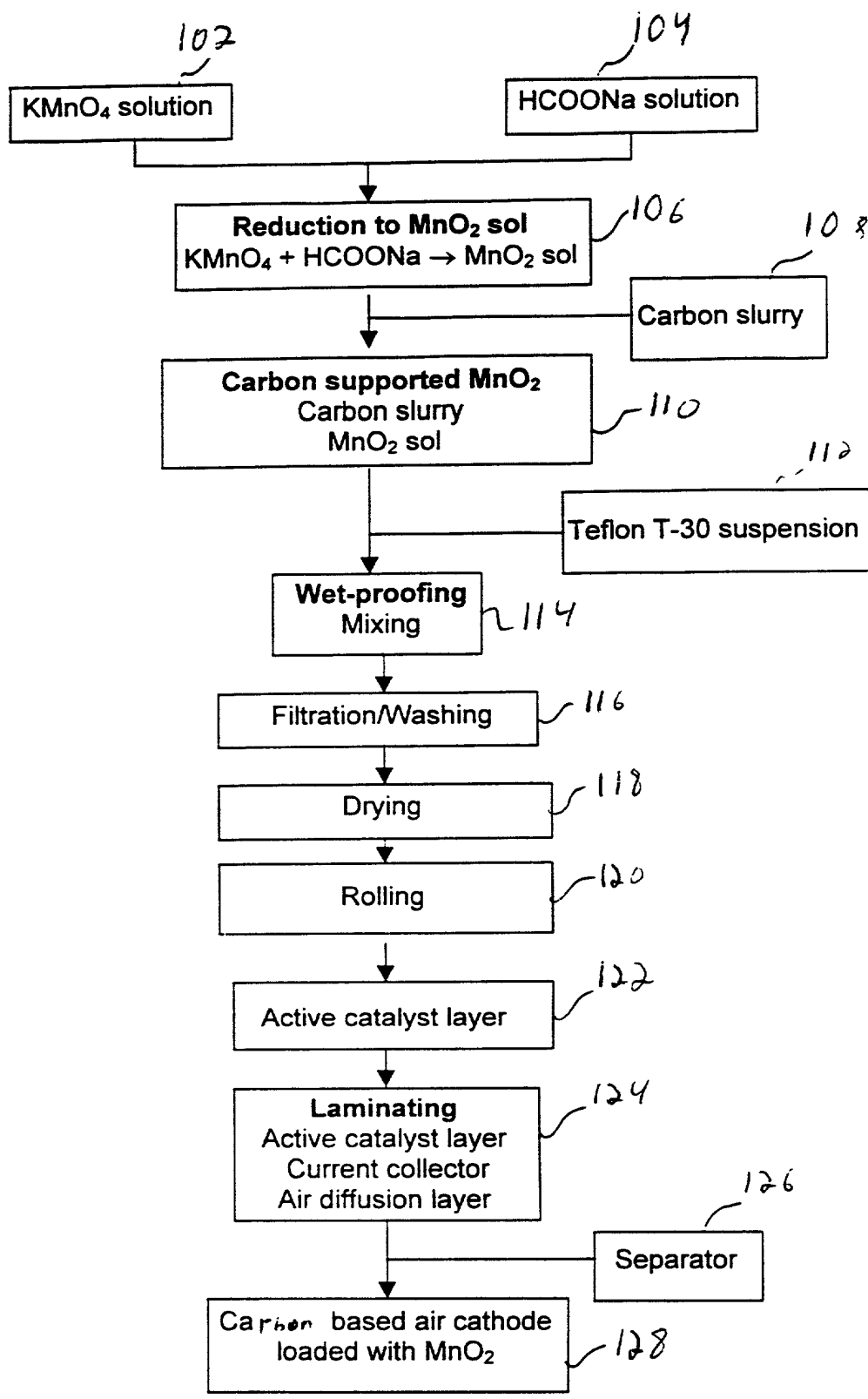


FIG. 1

Fig. 2



Flow-sheet for fabrication of carbon based air cathode

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Fig. 4: Performance of new invention based air cathode VS present art

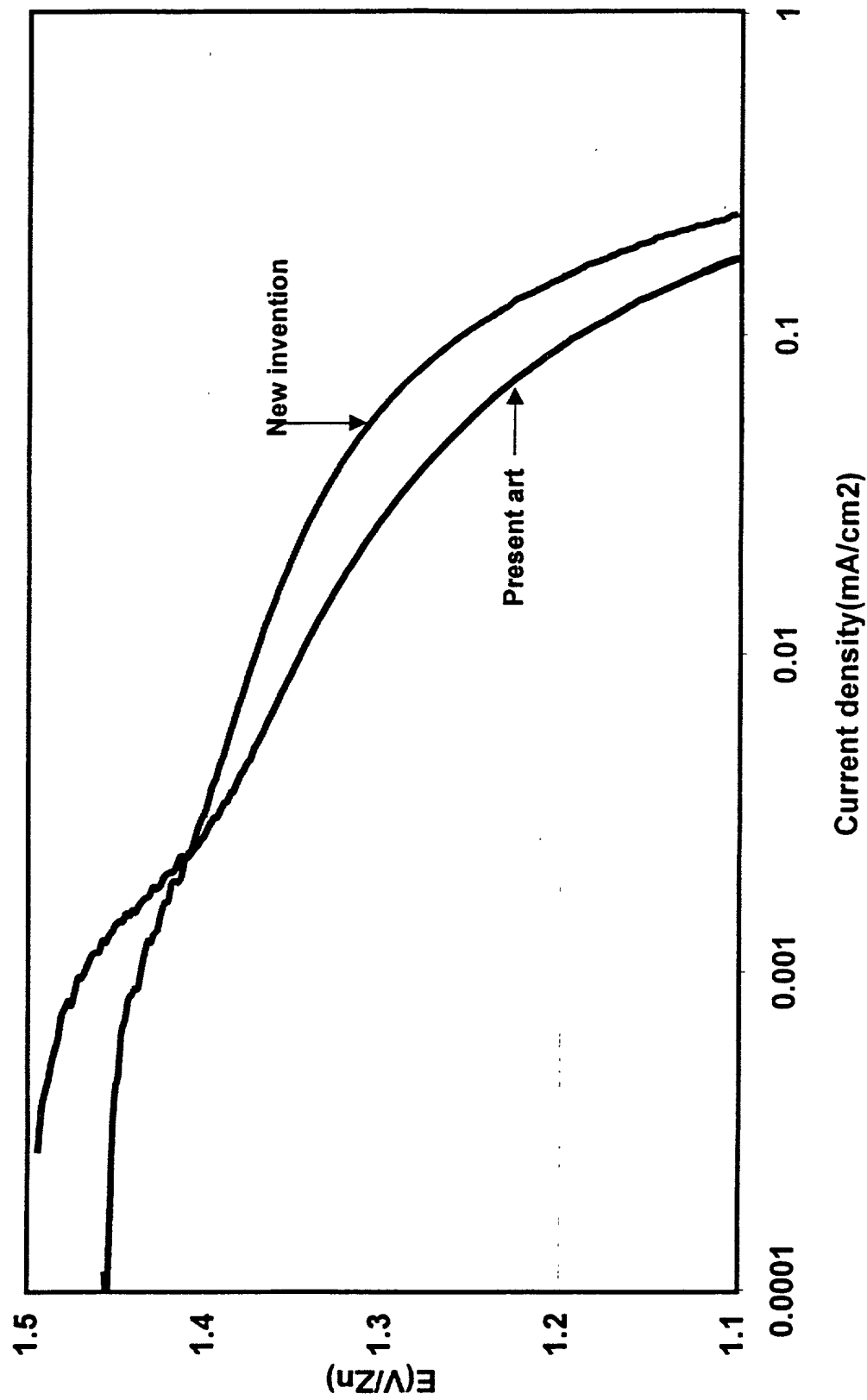


Fig. 5: Particle size distribution of manganese oxide of this invention

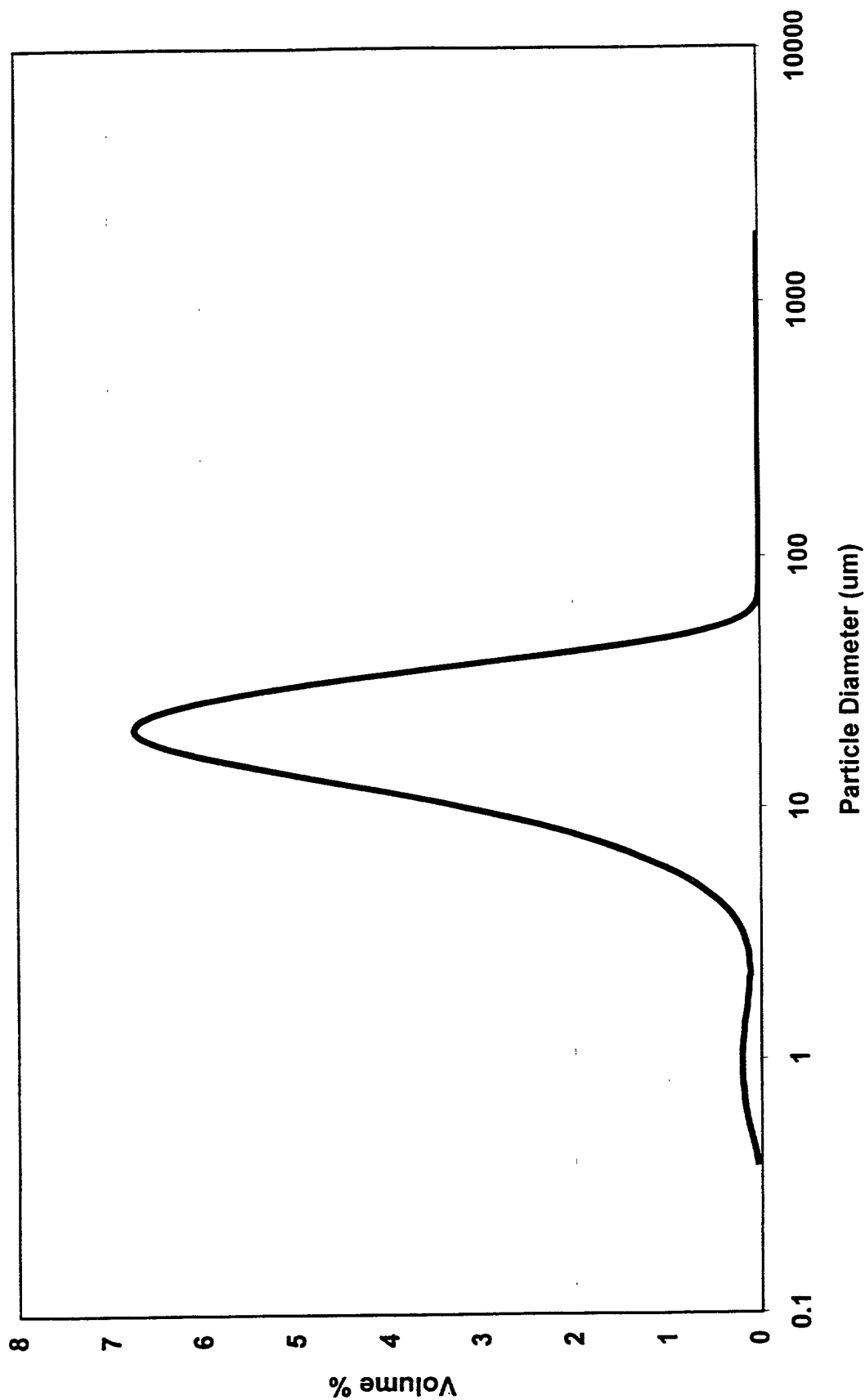
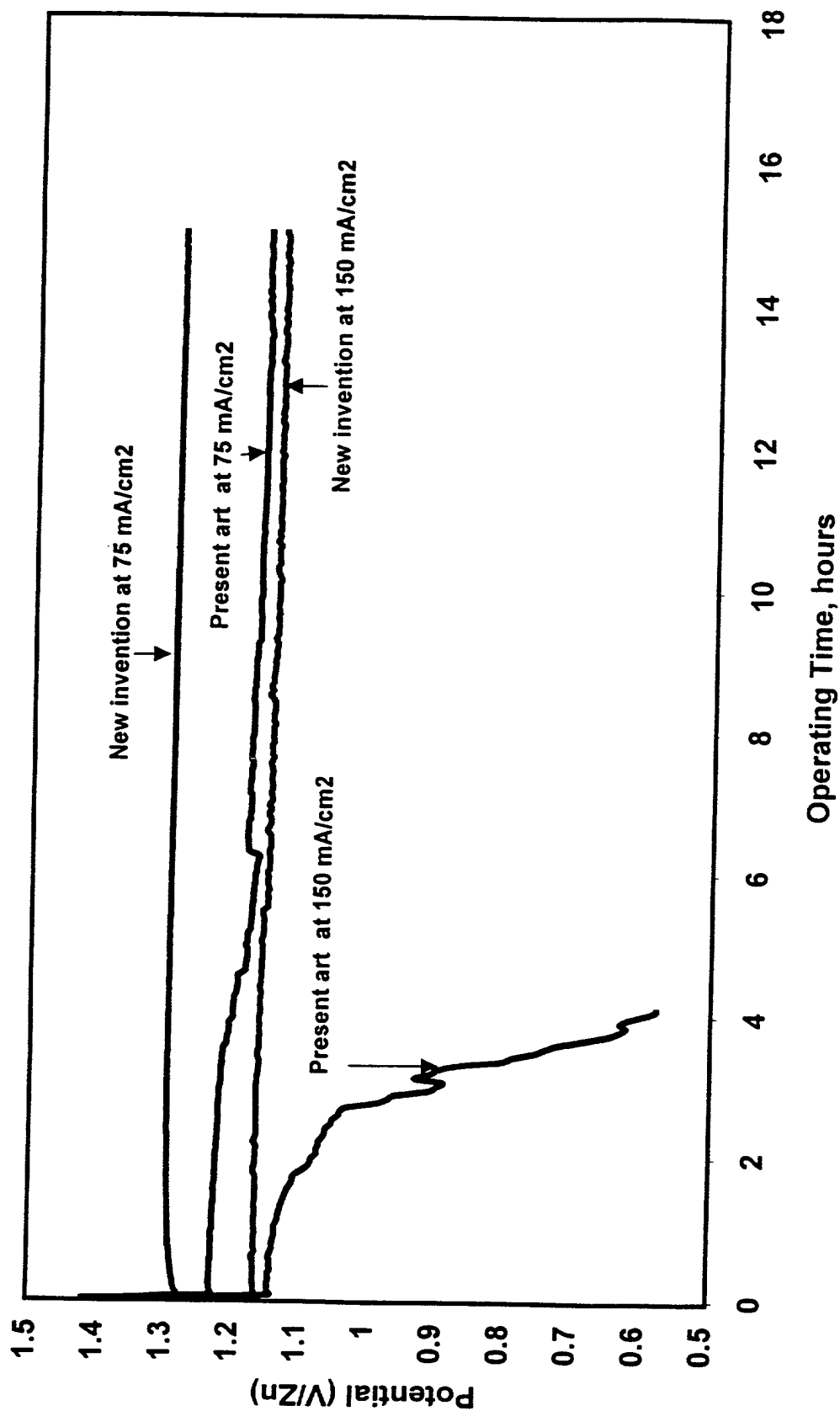


Fig.6 : Long-term stability performance at constant current density of new invention carbon based air cathode Vs present art



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Fig. 7: Discharge profile at 374 Ohm of 13U zinc air cells built with new invention based air cathode ; Test description.: 374 Ohm; 16H/D 70F/50%

